

IN THE CLAIM

Please amend Claims 1 to 15, without prejudice or disclaimer of the subject matter thereof. The amended claims 1 and 10 are based on the suggestions in the office action and the contents in line 2 of page 8 to line 4 of page 9 of the specification of the present invention. The amended claims 2 to 9 and 11 to 15 are based on the suggestion in the office action and some narrative description are amended to match the requirement of USPTO. No new matter is added. The relation of the new claims with respect to the original claims may refer to the following Remark which is helpful to understand the amendments of claims.

LIST OF CLAIMS:

What the invention claimed is:

Claim 1. (Currently Amended) A remote controller comprising a CPU, said CPU having comprising a main memory (~~random-access memory~~) for recording ~~adapted to record~~ the search addresses and codes of a plurality of product models, and at least one second memory for recording ~~adapted to record~~ the address flags of said product models indicated by the 26 English characters;

a procedure table memory (~~read-only memory~~) for recording ~~adapted to record~~ the functions of a plurality of keys of said product models and to provide the data about functions of the function of every key for locking;

a timer for measuring time periods of searching ~~adapted to count the search~~ until an interruption appears ~~for locking~~ and for transmitting ~~to transmit~~ power signal from a pre-set counting start time to a pre-set counting end time;

a time interval control for controlling time intervals ~~adapted to control time interval~~ ~~for locking~~ during searching;

a search interruption control for interrupting adapted to interrupt the searching action and for locking to lock the frequency when the frequency is matched to an appliance, and

a signal emitter for emitting adapted to emit a frequency modulated search signal; and -

wherein the CPU serves to start a function of automatic quick search action, in searching, the main memory and the second memory provide product model code data and address data; then the signal emitter converts the product code data and address data into emission signals for emitting to the electric appliance, if the frequency matched, the search interruption control interrupts the searching action and to lock the frequency when the frequency matched, if not, the timer enables the CPU to fetch next data from the main memory and the second memory, and then to transmit a next transmission signal for searching, during searching, the time interval control controls the time interval between two searches, when the searched frequency matched, press the search interruption control to lock the frequency, after locking, the CPU fetches the corresponding key matrix input/output from the procedure table memory, and thus the setting is completed.

Claim 2. (Currently Amended) The remote controller as claimed in claim 1, wherein said at least one second memory is respectively installed in said CPU, and is respectively divided into a plurality of memory zones.

Claim 3. (Currently Amended) The remote controller as claimed in claim 1, further comprising an indicator light driver for turning on or turning off adapted to control on/off of an indicator light at a the control panel of the remote controller, and a power generator for providing a adapted to provide the necessary working voltage to said CPU.

Claim 4. (Currently Amended) The remote controller as claimed in claim 1, further comprising an oscillator for providing, ~~which provides~~ said CPU with ~~a~~ the function of counting time.

Claim 5. (Currently Amended) The remote controller as claimed in claim 1, further comprising an electrically erasable programmable read only memory for recording ~~adapted to record~~ the functions of the keys of the originally set codes of every product model for keeping the set code functions of every product model in function after an interruption of power supply due to a temporary power low or power failure.

Claim 6. (Currently Amended) The remote controller as claimed in claim 1, further comprising switch means for time display and time setting ~~and product module function selection switching control~~.

Claim 7. (Currently Amended) The remote controller as claimed in claim 1, further comprising a liquid crystal display for displaying ~~adapted to display~~ numerical values and an operation state of the remote controller. ~~controller's operation state~~

Claim 8. (Currently Amended) The remote controller as claimed in claim 1, wherein said main memory of said CPU has a part; and said part is divided into a plurality of memory zones that form said at least one second memory.

Claim 9. (Currently Amended) The remote controller as claimed in claim 1, wherein said procedure table memory (~~read only memory~~) has a part divided into a plurality of memory zones that form said at least one second memory.

Claim 10. (Currently Amended) A remote controller comprising a CPU, said CPU comprising a main memory for recording (~~random access memory~~) ~~adapted to record~~ the search addresses and codes of a plurality of product models; at least one second memory for recording ~~adapted to record~~ the address flags of said product models indicated by the 26 English characters;

a procedure table memory (~~read only memory~~) for recording adapted to record the functions of a plurality of keys of said product models and for providing to provide the data of a the function of every key for locking; a timer for measuring a time period of searching adapted to count the search until an interruption appears for locking and for transmitting to transmit power signal from a pre-set counting start time to a pre-set counting end time; a time interval control for controlling a adapted to control time interval for locking during searching, a search interruption control for interrupting an adapted to interrupt the searching action and for locking a to lock the frequency of an electric appliance when the frequency is matched, and a signal emitter for emitting adapted to emit a frequency modulated search signal; and -

wherein the CPU serves to start a function of automatic quick search action, in searching, the main memory and the second memory provide product model code data and address data; then the signal emitter converts the product code data and address data into emission signals for emitting to the electric appliance, if the frequency matched, the search interruption control interrupts the searching action and to lock the frequency when the frequency matched, if not, the timer enables the CPU to fetch next data from the main memory and the second memory, and then to transmit a next transmission signal for searching, during searching, the time interval control controls the time interval between two searches, when the searched frequency matched, press the search interruption control to lock the frequency, after locking, the CPU fetches the corresponding key matrix input/output from the procedure table memory, and thus the setting is completed.

Claim 11. (Currently Amended) The remote controller as claimed in claim 10, further comprising an indicator light driver for controlling operations of turning on and turning off adapted to control on/off of an

indicator light at ~~a the~~ control panel of the remote controller; and a power generator ~~for providing a~~ ~~adapted to provide the necessary~~ working voltage to said CPU.

Claim 12. (Currently Amended) The remote controller as claimed in claim 10, further comprising an oscillator ~~for providing, which provides~~ said CPU with ~~a the function of~~ counting time.

Claim 13. (Currently Amended) The remote controller as claimed in claim 10, further comprising an electrically erasable programmable read only memory ~~for recording adapted to record the functions of a plurality of~~ the keys of the originally set codes of every product model for keeping the set code functions of every product model in function after an interruption of power supply due to a temporary power low or power failure.

Claim 14. (Currently Amended) The remote controller as claimed in claim 10, further comprising a liquid crystal display ~~for displaying adapted to display numerical values and operation states of the remote controller the remote controller's operation state.~~

Claim 15. (Currently Amended) The remote controller as claimed in claim 10, further comprising an external second memory mounted on a circuit board carrying said CPU and electrically coupled to said CPU, and said external second memory being divided into a plurality of memory zones.

Claim 16. (Original) The remote controller as claimed in claim 10, wherein said main memory of said CPU has a part divided into a plurality of memory zones that form said at least one second memory.